

518,881

Rec'd PCT/PTO 20 DEC 2004

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

**(19) World Intellectual Property Organization
International Bureau**



A standard linear barcode is located at the bottom of the page, spanning most of the width.

**(43) International Publication Date
24 December 2003 (24.12.2003)**

PCT

(10) International Publication Number
WO 03/106207 A1

(51) International Patent Classification⁷:
17/04, 17/08, H02K 7/116, F16H 57/04

B60K 7/00.

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(21) International Application Number: PCT/GB03/02619

(22) International Filing Date: 18 June 2003 (18.06.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 0213944.2 18 June 2002 (18.06.2002) GB

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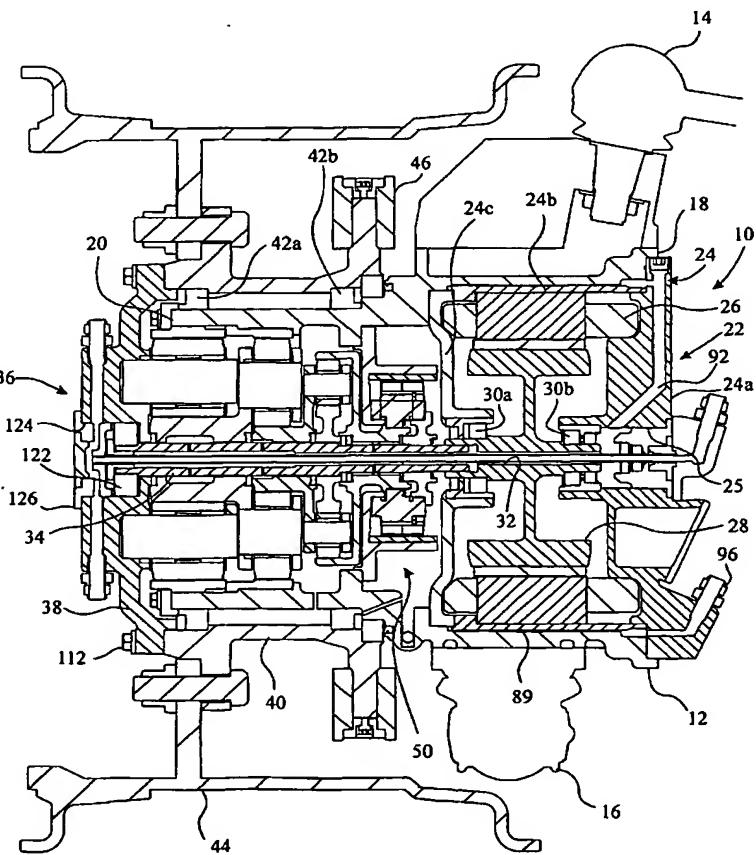
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(81) **Designated States (national):** AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) **Designated States (regional):** ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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(54) Title: HUB DRIVE SYSTEM



(57) Abstract: A hub drive (10) has a tubular housing (12) suspended in a vehicle, and a motor (22) in one, inboard end of the housing, and a gearbox (36) in the other end. A hub (40) is driven by the gearbox and is journaled on the housing. A gallery (89) is defined between the motor and housing to receive lubricant from an external connector (96) to cool the motor before delivery via a passage (92) to a rotor (28) of the motor, and thence to the gearbox to lubricate the gearbox. The drive is dismantlable without removal of the vehicle wheel, from the open ends (18,20) of the housing. A gear change mechanism (50) permits minimisation of the motor while still providing a wide range of torque and speed capability.

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